

NOTICE AND NECESSARY INFORMATION (NANI)

This form is to assist compliance with the bulk sewage (biosolids) notification requirements [503.12(f)]. Please note, however, that if the biosolids meet the exceptional quality criteria, then the notification requirements do not apply. This form can be used by preparers of biosolids to transmit information to land appliers and also by land appliers to transmit information to land owners or lease holders.

Facility and Biosolids Type:: NWWRP Compliance

Monitoring Period: 3/1/15 To: 4/30/15

Name	Concentration (mg/Kg) Dry Weight	Pollutant Concentrations (Table 3, 40 CFR 503.13) Monthly Average	Ceiling Concentrations* (Table 1, 40 CFR 503.13) Daily Maximum
Arsenic	25.0	41	75
Cadmium	< 2.10	39	85
Chromium	81.0	1200	3000
Copper	460	1500	4300
Lead	< 21.0	300	840
Mercury	0.77	17	57
Molybdenum	10.0	N/A**	75
Nickel	34.0	420	420
Nitrogen Concen	52100	N/A	N/A
Selenium	34.0	36	100
Zinc	690	2800	7500

* Biosolids may not be land applied if any pollutant exceeds these values.

** EPA has temporarily removed molybdenum limits from Table 3, Table 2 and Table

B. Pathogen Reduction (40CFR 503.32) -- Please indicate the level achieved


☐ Class A ☒ Class B

C. Vector Attraction Reduction (40CFR 503.33) -- Please indicate the option performed

☒ Option 1 ☐ Option 2 ☐ Option 3 ☐ Option 4
☐ Option 5 ☐ Option 6 ☐ Option 7 ☐ Option 8
☐ No vector attraction reduction options were performed

D. Certification

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in §503.32(b) and the vector attraction reduction requirement in §503.33(b)(1) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

A. Name and Official Title Jennifer Hetherington, Wastewater Compliance Specialist	B. Area Code and Telephone Number 480-644-3890
C. Signature 	D. Date Signed 4/1/15

Laboratory Sample ID: 150303004

**CITY OF MESA COMPLIANCE LABORATORY****640 NORTH MESA DRIVE MESA, ARIZONA 85211**

Environmental Laboratory License AZ0410

LABORATORY SUPERVISOR: MATTHEW REXING Ph (480)644-5403

QUALITY ASSURANCE COORDINATOR: Amy Cervinske Ph (480)644-6901

Attn: Jennifer Hetherington

OrderID: 150303004

CollectDate: 3/4/2015

Collection Time: 7:15:00 PM

Collector: D. Cantu

Sample Number: 15030022

ReceiveDate: 3/5/2015

Customer Sample#:

Project ID: NWWRP BIOSOLIDS

Site: NWWRP Biosolids

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Nitrogen, Ammonia Total	SM4500-NH3D	212	D2	6860 mg/Kg-dry	3/12/2015	PSERIA
Arsenic, Total	SW6010B	21		25.0 mg/Kg-dry	3/9/2015	TAL
Cadmium, Total	SW6010B	2.1		< 2.10 mg/Kg-dry	3/9/2015	TAL
Chromium, Total	SW6010B	8.3		81.0 mg/Kg-dry	3/9/2015	TAL
Copper, Total	SW6010B	21		460 mg/Kg-dry	3/9/2015	TAL
Lead, Total	SW6010B	21		< 21.0 mg/Kg-dry	3/9/2015	TAL
Molybdenum, Total	SW6010B	8.3		10.0 mg/Kg-dry	3/9/2015	TAL
Nickel, Total	SW6010B	8.3		34.0 mg/Kg-dry	3/9/2015	TAL
Selenium, Total	SW6010B	21		34.0 mg/Kg-dry	3/9/2015	TAL
Silver, Total	SW6010B	10		< 10.0 mg/Kg-dry	3/9/2015	TAL
Zinc, Total	SW6010B	42		690 mg/Kg-dry	3/9/2015	TAL
Mercury, Total	EPA 7471A	0.39		0.77 mg/Kg-dry	3/13/2015	TAL
Nitrogen, Nitrate-Nitrite Total	EPA 9056	8.6		< 8.60 mg/Kg-dry	3/20/2015	TAL
Nitrogen, Kjeldahl Total	SM4500-Norg	878		52100 mg/Kg-dry	3/10/2015	PSERIA
Nitrogen, Total	Calculation	887		52100 mg/Kg-dry	3/25/2015	ACERWIN
Paint Filter	EPA 9095B			abs pres/abs	3/9/2015	KHALLA
Percent Moisture	SM2540G	0.1		77.0 %	3/6/2015	TAL
Percent Soil	SM2540G	0.1		23.0 %	3/6/2015	TAL
pH	EPA 9045D	1.68		8.33 S.U.	3/9/2015	KHALLA
Phosphate as P, Total	SM4500-P	4118	D2 M3	32000 mg/Kg-dry	3/10/2015	PSERIA
Solids, Total	SM2540G	1		23.6 %	3/10/2015	NSILIDE

QUALIFIERS

D2 Sample diluted due to high concentration.

COMMENTS

Chromium and Nickel were analyzed on 3/10/15.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.

REVIEWED BY:

Amy L. Czerwinski

Date Signed: 4/1/2015



CHAIN OF CUSTODY RECORD
CITY OF MESA COMPLIANCE LABORATORY
640 NORTH MESA DRIVE, ARIZONA 85211

LABORATORY SUPERVISOR: MATTHEW REXING Ph (480)644-5403 email:matthew.rexing@mesaaz.gov
QUALITY ASSURANCE COORDINATOR: AMY CERWINSKE Ph (480)644-6901 email:amy.cerwinske@mesaaz.gov

OrderID: 150303004

ProjectID: NWWRP BIOSOLIDS

COMPLIANCE ☒

Matrix: Sludge

Collector: DC

Receipt Temp: 2.0 °C

Sample ID: 15030022

Site: NWWRP Biosolids

Collect Date: 3/4/15 3/4/15 Collect Time: 1915

Customer Site ID:

Method	Test	Custom Params	# of Bottles	Preservative.	Container Type
SM4500-NH3D	Ammonia in Solid Waste			none	Jar 16OZ
EPA 9014	Cyanide, Total			none	Jar 1000ml
SW6010B	ICP Metals in Solid Waste	As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn		none	Jar 1000ml
EPA 6010B	ICP Metals TCLP			none	Jar 1000ml
EPA 7471A	Mercury in Solid Waste			none	Jar 1000ml
EPA 9056	Nitrate-Nitrite-N in Solid Waste			none	Jar 1000ml
SM4500-Norg	Nitrogen, Kjeldahl Total			none	Jar 16OZ
Calculation	Nitrogen, Total in Solid Waste				
EPA 9095B	Paint Filter			none	Jar 16OZ
SM2540G	Percent Moisture			none	Jar 1000ml
SM2540G	Percent Sol			none	Jar 1000ml
EPA 9045D	pH in Soil			none	Jar 16OZ
SM4500-P	Phosphate as P in Soil			none	Jar 1000ml
SM2540G	Solids, Total			none	Jar 16OZ
EPA 9034	Sulfide, Total			none	Jar 1000ml
EPA 8260B	VOCs			none	Jar 1000ml

Project Specific Limits

Comment(s):

VOC - Resample

Relinquished by: (Signature)	Date:	Time:	Relinquished by: (Signature)	Date:	Time:
	3/5/15	12:15			
Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Relinquished by: (Signature)	Date:	Time:
Received by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/5/15	12:15

OrderID: 150303004

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